

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: K. Weddington Examiner #: 68082 Date: 4-26-02  
 Art Unit: 1614 Phone Number 308-4650 Serial Number: 10/011,726  
 Mail Box and Bldg/Room Location: CM 2A17 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need: MEJ

\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: \_\_\_\_\_

Inventors: (please provide full names): Jose Zayas-Puera; Naida Montes-Morales

Earliest Priority Filing Date: \_\_\_\_\_

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

A composition comprising  
 1) perillal aldehyde  
 2) an inactive ingredient

Point of Contact:  
 Thomas G. Larson, Ph.D.  
 703-308-7309  
 CM1, Rm. 6 B 01

The inactive ingredient is an alcohol

the alcohol is sub'd from hexadecanol, ~~and~~ octadecanol  
 propanediol.

Point of Contact:  
 Thomas G. Larson, Ph.D.  
 703-308-7309  
 CM1, Rm. 6 B 01

(for Mary Hale)

RECEIVED  
 APR 29 2002  
 CH/CHEN  
 (STIC)

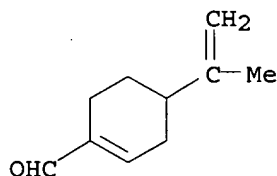
## STAFF USE ONLY

## Type of Search

## Vendors and cost where applicable

Searcher: Thom Larson (for M. Hale) A Sequence (#) \_\_\_\_\_ STN \_\_\_\_\_  
 Searcher Phone #: 8-7309 AA Sequence (#) \_\_\_\_\_ Dialog \_\_\_\_\_  
 Searcher Location: 6B01 Structure (#) \_\_\_\_\_ Questel/Orbit \_\_\_\_\_  
 Date Searcher Picked Up: 5/1/02 Bibliographic \_\_\_\_\_ Dr. Link \_\_\_\_\_  
 Date Completed: 5/3/02 Litigation \_\_\_\_\_ Lexis/Nexis \_\_\_\_\_  
 Searcher Prep & Review Time: \_\_\_\_\_ Fulltext \_\_\_\_\_ Sequence Systems \_\_\_\_\_  
 Clerical Prep Time: \_\_\_\_\_ Patent Family \_\_\_\_\_ WWW/Internet \_\_\_\_\_  
 Online Time: \_\_\_\_\_ Other \_\_\_\_\_ Other (specify) \_\_\_\_\_

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS  
RN 2111-75-3 REGISTRY  
CN 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1-Cyclohexene-1-carboxaldehyde, 4-isopropenyl- (7CI, 8CI)  
CN Perillaldehyde (6CI)  
OTHER NAMES:  
CN (.-.-)-Perillaldehyde  
CN 4-(2-Propenyl)-1-cyclohexenecarboxaldehyde  
CN 4-Isopropenyl-1-cyclohexene-1-carboxaldehyde  
CN 4-Isopropenyl-1-cyclohexenecarboxaldehyde  
CN dl-Perillaldehyde  
CN p-Mentha-1,8-dien-7-al  
CN Perilla aldehyde  
CN Perillal  
CN **Perillyl aldehyde**  
FS 3D CONCORD  
DR 6611-91-2, 21090-66-4  
MF C10 H14 O  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSChem, DDFU, DRUGU, EMBASE, HODOC\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, RTECS\*, SPECINFO, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

529 REFERENCES IN FILE CA (1967 TO DATE)  
6 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
532 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
22 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

RN 5503-12-8 REGISTRY

CN 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)-, (4R)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Cyclohexene-1-carboxaldehyde, 4-(1-methylethenyl)-, (R)-

CN 1-Cyclohexene-1-carboxaldehyde, 4-isopropenyl-, (R)-(+)- (8CI)

OTHER NAMES:

CN (+)-Perillaldehyde

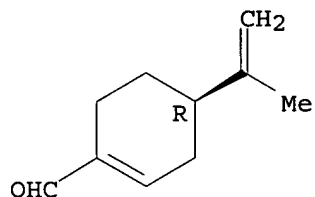
CN (R)-(+)-Perillaldehyde

FS STEREOSEARCH

MF C10 H14 O

LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, HODOC\*, IFICDB, IFIPAT, IFIUDB, NAPRALERT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

29 REFERENCES IN FILE CA (1967 TO DATE)

29 REFERENCES IN FILE CAPLUS (1967 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> FILE CAPLUS

FILE 'CAPLUS' ENTERED AT 14:23:17 ON 01 MAY 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Point of Contact:  
Thomas G. Larson, Ph.D.  
703-308-7309  
CM1, Rm. 6 B 01

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FILE COVERS 1907 - 1 May 2002 VOL 136 ISS 18

FILE LAST UPDATED: 29 Apr 2002 (20020429/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> D QUE L40

L1 14 SEA FILE=CAPLUS ABB=ON PLU=ON PERILLYL ALDEHYDE  
L13 1 SEA FILE=REGISTRY ABB=ON PLU=ON PERILLYL ALDEHYDE/CN  
L14 539 SEA FILE=CAPLUS ABB=ON PLU=ON L13  
L18 3 SEA FILE=REGISTRY ABB=ON PLU=ON HEXADECANOL/CN  
L19 5488 SEA FILE=CAPLUS ABB=ON PLU=ON L18  
L20 5270 SEA FILE=CAPLUS ABB=ON PLU=ON 1-HEXADECANOL/CT  
L21 4907 SEA FILE=CAPLUS ABB=ON PLU=ON 36653-82-4##/RN  
L23 5488 SEA FILE=CAPLUS ABB=ON PLU=ON L19 OR L20 OR L21  
L38 558 SEA FILE=CAPLUS ABB=ON PLU=ON 5503-12-8##/RN OR 2111-75-3##/R  
N  
L39 567 SEA FILE=CAPLUS ABB=ON PLU=ON L1 OR L14 OR L38  
L40 7 SEA FILE=CAPLUS ABB=ON PLU=ON L39 AND L23

=> D QUE L41

L1 14 SEA FILE=CAPLUS ABB=ON PLU=ON PERILLYL ALDEHYDE  
L13 1 SEA FILE=REGISTRY ABB=ON PLU=ON PERILLYL ALDEHYDE/CN  
L14 539 SEA FILE=CAPLUS ABB=ON PLU=ON L13  
L25 2 SEA FILE=REGISTRY ABB=ON PLU=ON OCTADECANOL/CN  
L26 5300 SEA FILE=CAPLUS ABB=ON PLU=ON L25  
L27 5003 SEA FILE=CAPLUS ABB=ON PLU=ON 1-OCTADECANOL/CT  
L28 5003 SEA FILE=CAPLUS ABB=ON PLU=ON 112-92-5##/RN  
L29 5300 SEA FILE=CAPLUS ABB=ON PLU=ON (L26 OR L27 OR L28)  
L38 558 SEA FILE=CAPLUS ABB=ON PLU=ON 5503-12-8##/RN OR 2111-75-3##/R  
N  
L39 567 SEA FILE=CAPLUS ABB=ON PLU=ON L1 OR L14 OR L38  
L41 1 SEA FILE=CAPLUS ABB=ON PLU=ON L39 AND L29

=> D QUE L49

L1 14 SEA FILE=CAPLUS ABB=ON PLU=ON PERILLYL ALDEHYDE

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L13      1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PERILLYL ALDEHYDE/CN
L14      539 SEA FILE=CAPLUS ABB=ON  PLU=ON  L13
L32      1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PROPANEDIOL/CN
L33      346 SEA FILE=CAPLUS ABB=ON  PLU=ON  L32
L38      558 SEA FILE=CAPLUS ABB=ON  PLU=ON  5503-12-8##/RN OR 2111-75-3##/R
        N
L39      567 SEA FILE=CAPLUS ABB=ON  PLU=ON  L1 OR L14 OR L38
L43      17285 SEA FILE=CAPLUS ABB=ON  PLU=ON  PROPANEDIOL/CT OR PROPYLENE
        GLYCOL/CT
L44      17522 SEA FILE=CAPLUS ABB=ON  PLU=ON  26264-14-2##/RN OR 57-55-6##/RN

L45      1 SEA FILE=REGISTRY ABB=ON  PLU=ON  PROPYLENE GLYCOL/CN
L46      17285 SEA FILE=CAPLUS ABB=ON  PLU=ON  L45
L47      17606 SEA FILE=CAPLUS ABB=ON  PLU=ON  L33 OR L46
L48      17606 SEA FILE=CAPLUS ABB=ON  PLU=ON  L43 OR L44 OR L47
L49      6 SEA FILE=CAPLUS ABB=ON  PLU=ON  L39 AND L48

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=> S L40 OR L41 OR L49
L117      13 L40 OR L41 OR L49

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=> FILE MEDLINE

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FILE 'MEDLINE' ENTERED AT 14:24:43 ON 01 MAY 2002

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FILE LAST UPDATED: 30 APR 2002 (20020430/UP).  FILE COVERS 1958 TO DATE.

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On April 22, 2001, MEDLINE was reloaded.  See HELP RLOAD for details.

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MEDLINE now contains IN-PROCESS records.  See HELP CONTENT for details.

```

```

MEDLINE is now updated 4 times per week.  A new current-awareness alert
frequency (EVERYUPDATE) is available.  See HELP UPDATE for more information.

```

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MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
MeSH 2001 vocabulary.  Enter HELP THESAURUS for details.

```

```

The OLDMEDLINE file segment now contains data from 1958 through 1965.
Enter HELP CONTENT for details.

```

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Left, right, and simultaneous left and right truncation are available in the
Basic Index.  See HELP SFIELDS for details.

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THIS FILE CONTAINS CAS REGISTRY NUMBERS FOR EASY AND ACCURATE
SUBSTANCE IDENTIFICATION.

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=> D QUE L55

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L50      14 SEA FILE=MEDLINE ABB=ON  PLU=ON  ("(.+-.)-PERILLALDEHYDE"/BI
        OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR
        "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR
        "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR
        "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL
        L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX
        ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI
        OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)
L52      232 SEA FILE=MEDLINE ABB=ON  PLU=ON  (HEXADECANOL/BI OR "ADOL
        52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR
        "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR
        CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR
        "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR
        "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL

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CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL 16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C 16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECANOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR 36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/BI)

L55 0 SEA FILE=MEDLINE ABB=ON PLU=ON L50 AND L52

=> D QUE L56

L50 14 SEA FILE=MEDLINE ABB=ON PLU=ON ("(.+.-)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L53 93 SEA FILE=MEDLINE ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL 62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO 1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADECANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADECANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L56 0 SEA FILE=MEDLINE ABB=ON PLU=ON L50 AND L53

=> D QUE L57

L12 QUE ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR PROPANEDIOL/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR 653 07-29-1/BI)

L50 14 SEA FILE=MEDLINE ABB=ON PLU=ON ("(.+.-)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L54 1687 SEA FILE=MEDLINE ABB=ON PLU=ON L12 OR PROPYLENE GLYCOL/CT

L57 0 SEA FILE=MEDLINE ABB=ON PLU=ON L50 AND L54

=> FILE EMBASE

FILE 'EMBASE' ENTERED AT 14:25:13 ON 01 MAY 2002

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FILE COVERS 1974 TO 25 Apr 2002 (20020425/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> D QUE L64

L58 2 SEA FILE=EMBASE ABB=ON PLU=ON PERILLYLALDEHYDE OR PERILLYL  
ALDEHYDE

L59 60 SEA FILE=EMBASE ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L60 60 SEA FILE=EMBASE ABB=ON PLU=ON L58 OR L59

L62 525 SEA FILE=EMBASE ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL  
52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR  
"ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR  
CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR  
"CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR  
"CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL  
CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL  
16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR  
"HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR  
"LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C  
16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL  
K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA  
NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR  
"PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI  
OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI  
OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR  
36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI  
OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B  
I)

L64 0 SEA FILE=EMBASE ABB=ON PLU=ON L60 AND L62

=> D QUE L74

L58 2 SEA FILE=EMBASE ABB=ON PLU=ON PERILLYLALDEHYDE OR PERILLYL  
ALDEHYDE

L59 60 SEA FILE=EMBASE ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L60 60 SEA FILE=EMBASE ABB=ON PLU=ON L58 OR L59

L65 206 SEA FILE=EMBASE ABB=ON PLU=ON OCTADECANOL/CT

L66 266 SEA FILE=EMBASE ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL  
62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR  
"ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO  
1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI

OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR  
 "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR  
 "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC  
 ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI  
 OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL  
 SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL  
 ALCOHOL"/BI OR STERAFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC  
 ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR  
 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI  
 OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)  
 L67 266 SEA FILE=EMBASE ABB=ON PLU=ON L65 OR L66  
 L74 0 SEA FILE=EMBASE ABB=ON PLU=ON L60 AND L67

=> D QUE L75

L58 2 SEA FILE=EMBASE ABB=ON PLU=ON PERILLYLALDEHYDE OR PERILLYL  
 ALDEHYDE  
 L59 60 SEA FILE=EMBASE ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
 DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY  
 L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
 ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
 OR "(R)-(+) -PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
 L60 60 SEA FILE=EMBASE ABB=ON PLU=ON L58 OR L59  
 L69 2900 SEA FILE=EMBASE ABB=ON PLU=ON PROPYLENE GLYCOL/CT  
 L70 1399 SEA FILE=EMBASE ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR PROPANEDIO  
 L/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR  
 65307-29-1/BI)  
 L71 3999 SEA FILE=EMBASE ABB=ON PLU=ON L69 OR L70  
 L75 0 SEA FILE=EMBASE ABB=ON PLU=ON L60 AND L71

=> FILE NAPRALERT

FILE 'NAPRALERT' ENTERED AT 14:25:52 ON 01 MAY 2002  
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 University of Illinois at Chicago.

Some records in this file are extremely long when displayed in  
 the ALL format. The CHC (Character Count) field can be used to  
 estimate record length. Type HELP CONTENT at the next arrow  
 prompt (=>) for data content and search strategy information.

FILE COVERS 1650 TO 8 APR 2002 (20020408/ED)

This file contains CAS Registry Numbers for easy and accurate  
 substance identification.

=> D QUE L82

L76 68 SEA FILE=NAPRALERT ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI  
 OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY  
 L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX



ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L77 47 SEA FILE=NAPRALERT ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL  
52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR  
"ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR  
CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR  
"CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR  
"CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL  
CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL  
16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR  
"HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR  
"LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C  
16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL  
K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA  
NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR  
"PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI  
OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI  
OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR  
36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI  
OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B  
I)

L82 2 SEA FILE=NAPRALERT ABB=ON PLU=ON L76 AND L77

=> D QUE L83

L76 68 SEA FILE=NAPRALERT ABB=ON PLU=ON ("(.+.-)-PERILLALDEHYDE"/BI  
OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L78 23 SEA FILE=NAPRALERT ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL  
62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR  
"ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO  
1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI  
OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR  
"LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR  
"LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC  
ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI  
OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL  
SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL  
ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC  
ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR  
112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI  
OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L83 2 SEA FILE=NAPRALERT ABB=ON PLU=ON L76 AND L78

=> D QUE L884

L884 NOT FOUND

The L-number has not been used in the current session or has  
been deleted.

=> D QUE L84

L76 68 SEA FILE=NAPRALERT ABB=ON PLU=ON ("(.+.-)-PERILLALDEHYDE"/BI  
OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR

"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
 ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
 L79 5 SEA FILE=NAPRALERT ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR  
 PROPANEDIOL/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/  
 BI OR 65307-29-1/BI)  
 L84 0 SEA FILE=NAPRALERT ABB=ON PLU=ON L76 AND L79

=> D QUE L85

L76 68 SEA FILE=NAPRALERT ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI  
 OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
 ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
 L79 5 SEA FILE=NAPRALERT ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR  
 PROPANEDIOL/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/  
 BI OR 65307-29-1/BI)  
 L80 18 SEA FILE=NAPRALERT ABB=ON PLU=ON PROPYLENE GLYCOL OR 57-55-6  
 L81 23 SEA FILE=NAPRALERT ABB=ON PLU=ON L79 OR L80  
 L85 0 SEA FILE=NAPRALERT ABB=ON PLU=ON L76 AND L81

=> S L82 OR L83

L118 2 L82 OR L83

=> FILE WPIDS

FILE 'WPIDS' ENTERED AT 14:26:54 ON 01 MAY 2002  
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FILE LAST UPDATED: 29 APR 2002 <20020429/UP>  
 MOST RECENT DERWENT UPDATE 200227 <200227/DW>  
 DERWENT WORLD PATENTS INDEX SUBSCRIBER FILE, COVERS 1963 TO DATE

>>> The BATCH option for structure searches has been  
 enabled in WPINDEX/WPIDS and WPIX >>>

>>> PATENT IMAGES AVAILABLE FOR PRINT AND DISPLAY >>>

>>> FOR DETAILS OF THE PATENTS COVERED IN CURRENT UPDATES,  
 SEE <http://www.derwent.com/dwpi/updates/dwpicov/index.html> <<<

>>> FOR A COPY OF THE DERWENT WORLD PATENTS INDEX TOOLS OF THE  
 TRADE USER GUIDE, PLEASE VISIT:  
<http://www.derwent.com/data/stn3.pdf> <<<

>>> FOR INFORMATION ON ALL DERWENT WORLD PATENTS INDEX USER  
 GUIDES, PLEASE VISIT:  
[http://www.derwent.com/userguides/dwpi\\_guide.html](http://www.derwent.com/userguides/dwpi_guide.html) <<<

=> D QUE L91

L86 63 SEA FILE=WPIDS ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
 DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR

"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L87 1393 SEA FILE=WPIDS ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL 52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL 16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C 16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECANOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR 36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/BI)

L91 0 SEA FILE=WPIDS ABB=ON PLU=ON L86 AND L87

=> D QUE L92

L86 63 SEA FILE=WPIDS ABB=ON PLU=ON ("(.+.-)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L88 1460 SEA FILE=WPIDS ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL 62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO 1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADECANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADECANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L92 0 SEA FILE=WPIDS ABB=ON PLU=ON L86 AND L88

=> D QUE L93

L86 63 SEA FILE=WPIDS ABB=ON PLU=ON ("(.+.-)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

OR "(R)-(+) -PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
L89 2687 SEA FILE=WPIDS ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR PROPANEDIOL  
/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR  
65307-29-1/BI)  
L90 17268 SEA FILE=WPIDS ABB=ON PLU=ON L89 OR PROPYLENE GLYCOL  
L93 0 SEA FILE=WPIDS ABB=ON PLU=ON L86 AND L90

=> FILE DRUGU

FILE 'DRUGU' ENTERED AT 14:27:20 ON 01 MAY 2002

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FILE LAST UPDATED: 26 APR 2002 <20020426/UP>

>>> DERWENT DRUG FILE (SUBSCRIBER) <<<

>>> SDI'S MAY BE RUN WEEKLY OR MONTHLY AS OF JUNE 2001. <<<

>>> (WEEKLY IS THE DEFAULT). FOR PRICING INFORMATION <<<

>>> SEE HELP COST <<<

>>> FILE COVERS 1983 TO DATE <<<

>>> THESAURUS AVAILABLE IN /CT <<<

=> D QUE L100

L94 19 SEA FILE=DRUGU ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+) -PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
L95 350 SEA FILE=DRUGU ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL 52"/BI  
OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR "ATALCO  
C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR CETAL/BI OR  
CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR "CETYL  
ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR "CO  
1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL  
CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL 16"/BI  
OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR "HYFATOL  
16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR "LANETTE 16"/BI  
OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C 16"/BI OR "LOROL  
24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL K"/BI OR "LOXANWAX  
SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECANOL/BI OR N-1-HEXAD  
ECANOL/BI OR "PALMITIC ALCOHOL"/BI OR "PALMITYL ALCOHOL"/BI OR  
"PRODUCT 308"/BI OR "SIPONOL CC"/BI OR "SIPONOL WAX A"/BI OR  
"TEGO ALKANOL 16"/BI OR 1-CETANOL/BI OR 1-HEXADECANOL/BI OR  
124-29-8/BI OR 29354-98-1/BI OR 36653-82-4/BI OR 51260-59-4/BI  
OR 55069-45-9/BI OR 8014-51-5/BI OR 8023-37-8/BI OR 8032-16-4/B  
I OR 8032-17-5/BI OR 8032-89-1/BI)  
L100 0 SEA FILE=DRUGU ABB=ON PLU=ON L94 AND L95

=> D QUE L101

L94 19 SEA FILE=DRUGU ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX

ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L96 187 SEA FILE=DRUGU ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL 62"/BI  
OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR "ALFOL  
18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO  
1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI  
OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR  
"LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR  
"LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC  
ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI  
OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL  
SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL  
ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC  
ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR  
112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI  
OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L101 0 SEA FILE=DRUGU ABB=ON PLU=ON L94 AND L96

=> D QUE L102

L94 19 SEA FILE=DRUGU ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L97 219 SEA FILE=DRUGU ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR PROPANEDIOL  
/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR  
65307-29-1/BI)

L98 2399 SEA FILE=DRUGU ABB=ON PLU=ON PROPYLENE GLYCOL OR 57-55-6

L99 2600 SEA FILE=DRUGU ABB=ON PLU=ON L97 OR L98

L102 0 SEA FILE=DRUGU ABB=ON PLU=ON L94 AND L99

=> FILE AGRICOLA

FILE 'AGRICOLA' ENTERED AT 14:28:14 ON 01 MAY 2002

FILE COVERS 1970 TO 9 Apr 2002 (20020409/ED)

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This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> D QUE L107

L103 29 SEA FILE=AGRICOLA ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI  
OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENY  
L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L104 32 SEA FILE=AGRICOLA ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL

52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR  
 "ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR  
 CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR  
 "CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR  
 "CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL  
 CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL  
 16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR  
 "HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR  
 "LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C  
 16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL  
 K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA  
 NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR  
 "PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI  
 OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI  
 OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR  
 36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI  
 OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B  
 I)

L107 0 SEA FILE=AGRICOLA ABB=ON PLU=ON L103 AND L104

=> D QUE L108

L103 29 SEA FILE=AGRICOLA ABB=ON PLU=ON ("(.+.)-PERILLALDEHYDE"/BI  
 OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL  
 L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
 ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
 OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L105 13 SEA FILE=AGRICOLA ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL  
 62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR  
 "ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO  
 1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI  
 OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR  
 "LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR  
 "LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC  
 ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI  
 OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL  
 SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL  
 ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADEC  
 ANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR  
 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI  
 OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L108 0 SEA FILE=AGRICOLA ABB=ON PLU=ON L103 AND L105

=> D QUE L109

L12 QUE ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR PROPANEDIOL/BI  
 OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR 653  
 07-29-1/BI)

L80 18 SEA FILE=NAPRALERT ABB=ON PLU=ON PROPYLENE GLYCOL OR 57-55-6

L103 29 SEA FILE=AGRICOLA ABB=ON PLU=ON ("(.+.)-PERILLALDEHYDE"/BI  
 OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
 "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
 "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
 "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL  
 L-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
 ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI

OR "(R)-(+) -PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
L106 357 SEA FILE=AGRICOLA ABB=ON PLU=ON L12 OR L80  
L109 0 SEA FILE=AGRICOLA ABB=ON PLU=ON L103 AND L106

=> FILE KOSMET

FILE 'KOSMET' ENTERED AT 14:28:51 ON 01 MAY 2002

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FILE LAST UPDATED: 18 APR 2002 <20020418/UP>

FILE COVERS 1968 TO DATE.

=> D QUE L114

L110 9 SEA FILE=KOSMET ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+) -PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
L111 22 SEA FILE=KOSMET ABB=ON PLU=ON (HEXADECANOL/BI OR "ADOL  
52"/BI OR "ADOL 52NF"/BI OR "ADOL 54"/BI OR "ALFOL 16"/BI OR  
"ATALCO C"/BI OR "CACHALOT C 51"/BI OR CETAFFINE/BI OR  
CETAL/BI OR CETALCOS/BI OR "CETALOL CA"/BI OR CETANOL/BI OR  
"CETYL ALCOHOL"/BI OR "CETYLIC ALCOHOL"/BI OR CETYLOL/BI OR  
"CO 1695"/BI OR "CONOL 1695"/BI OR "CRODACOL C"/BI OR "CRODACOL  
CAS"/BI OR "CRODACOL CAT"/BI OR "ELFACOS C"/BI OR "EPAL  
16"/BI OR ETHAL/BI OR ETHOL/BI OR "HEXADECYL ALCOHOL"/BI OR  
"HYFATOL 16"/BI OR "KALCOHL 60"/BI OR "KALCOL 68"/BI OR  
"LANETTE 16"/BI OR "LANOL C"/BI OR "LAUREX 16"/BI OR "LOROL C  
16"/BI OR "LOROL 24"/BI OR "LOXANOL K EXTRA"/BI OR "LOXANOL  
K"/BI OR "LOXANWAX SK"/BI OR "N-CETYL ALCOHOL"/BI OR N-HEXADECA  
NOL/BI OR N-1-HEXADECANOL/BI OR "PALMITIC ALCOHOL"/BI OR  
"PALMITYL ALCOHOL"/BI OR "PRODUCT 308"/BI OR "SIPONOL CC"/BI  
OR "SIPONOL WAX A"/BI OR "TEGO ALKANOL 16"/BI OR 1-CETANOL/BI  
OR 1-HEXADECANOL/BI OR 124-29-8/BI OR 29354-98-1/BI OR  
36653-82-4/BI OR 51260-59-4/BI OR 55069-45-9/BI OR 8014-51-5/BI  
OR 8023-37-8/BI OR 8032-16-4/BI OR 8032-17-5/BI OR 8032-89-1/B  
I)  
L114 0 SEA FILE=KOSMET ABB=ON PLU=ON L110 AND L111

=> D QUE L115

L110 9 SEA FILE=KOSMET ABB=ON PLU=ON ("(.+-.)-PERILLALDEHYDE"/BI OR  
DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR  
"PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR  
"PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR  
"4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEX  
ENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI  
OR "(R)-(+) -PERILLALDEHYDE"/BI OR 5503-12-8/BI)  
L112 25 SEA FILE=KOSMET ABB=ON PLU=ON (OCTADECANOL/BI OR "ADOL  
62"/BI OR "ADOL 64"/BI OR "ADOL 68"/BI OR "ALFOL 18"/BI OR  
"ALFOL 18NF"/BI OR "ATALCO S"/BI OR "CACHALOT S 43"/BI OR "CO  
1895"/BI OR "CO 1895F"/BI OR "CONOL 1675"/BI OR "CONOL 30S"/BI  
OR "CRODACOL S"/BI OR "KALCOHL 80"/BI OR "KALCOHL 8098"/BI OR  
"LANETTE 18"/BI OR "LANETTE 18DEO"/BI OR "LANOL S"/BI OR  
"LAUREX 18"/BI OR "LOROL C 18"/BI OR "LOROL 28"/BI OR N-OCTADEC  
ANOL/BI OR "N-OCTADECYL ALCOHOL"/BI OR "OCTADECYL ALCOHOL"/BI

OR ROFAMOL/BI OR "SIPOL S"/BI OR "SIPONOL S"/BI OR "SIPONOL SC"/BI OR "STEARIC ALCOHOL"/BI OR STEAROL/BI OR "STEARYL ALCOHOL"/BI OR STERAFFINE/BI OR "VLTN 6"/BI OR 1-HYDROXYOCTADECANE/BI OR 1-OCTADECANOL/BI OR "1-STEARYL ALCOHOL"/BI OR 112-92-5/BI OR 193766-48-2/BI OR 26762-44-7/BI OR 8014-37-7/BI OR 8032-19-7/BI OR 8032-21-1/BI OR 8034-90-0/BI)

L115 0 SEA FILE=KOSMET ABB=ON PLU=ON L110 AND L112

=> D QUE L116

L12 QUE ABB=ON PLU=ON ("GLYCOLS, C3"/BI OR PROPANEDIOL/BI OR 26264-14-2/BI OR 28602-30-4/BI OR 51025-44-6/BI OR 65307-29-1/BI)

L80 18 SEA FILE=NAPRALERT ABB=ON PLU=ON PROPYLENE GLYCOL OR 57-55-6

L110 9 SEA FILE=KOSMET ABB=ON PLU=ON ("(.+.)-PERILLALDEHYDE"/BI OR DL-PERILLALDEHYDE/BI OR "P-MENTHA-1,8-DIEN-7-AL"/BI OR "PERILLA ALDEHYDE"/BI OR PERILLAL/BI OR PERILLALDEHYDE/BI OR "PERILLYL ALDEHYDE"/BI OR 21090-66-4/BI OR 2111-75-3/BI OR "4-(2-PROPENYL)-1-CYCLOHEXENECARBOXALDEHYDE"/BI OR 4-ISOPROPENYL-1-CYCLOHEXENE-1-CARBOXALDEHYDE/BI OR 4-ISOPROPENYL-1-CYCLOHEXENECARBOXALDEHYDE/BI OR 6611-91-2/BI OR "(+)-PERILLALDEHYDE"/BI OR "(R)-(+)-PERILLALDEHYDE"/BI OR 5503-12-8/BI)

L113 131 SEA FILE=KOSMET ABB=ON PLU=ON L12 OR L80

L116 0 SEA FILE=KOSMET ABB=ON PLU=ON L110 AND L113

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 LAST RELOADED: Apr 26, 2002 (20020426/UP).

## =&gt; DUP REM L117 L118

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 University of Illinois at Chicago.  
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 PROCESSING COMPLETED FOR L118  
 L119 15 DUP REM L117 L118 (0 DUPLICATES REMOVED)

## =&gt; D L117 IBIB AB CT 1-13

L117 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:427824 CAPLUS

DOCUMENT NUMBER: 135:208167

TITLE: Composition of the essential oils of Tanacetum armenum (DC.) Schultz Bip., T. balsamita L., T. chiliophyllum (Fisch. & meyer.) Schultz bip. var. chiliophyllum and T. haradjani (Rech. fil.) grierson and the enantiomeric distribution of camphor and carvone

AUTHOR(S): Baser, K. Husnu Can; Demirci, Betul; Tabanca,



Nurhayat; Ozek, Temel; Goren, Nezhun  
CORPORATE SOURCE: Medicinal and Aromatic Plant and Drug Research Centre  
(TBAM), Anadolu University, Eskisehir, 26470, Turk.  
SOURCE: Flavour and Fragrance Journal (2001), 16(3), 195-200  
CODEN: FFJOED; ISSN: 0882-5734  
PUBLISHER: John Wiley & Sons Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Water-distd. essential oils from herbal parts of *Tanacetum armenum* (DC.)  
Schultz Bip., *T. balsamita* L. (syn. *Balsamita major*), *T. chiliophyllum*  
(Fisch. & Mey.) Schultz Bip. var. *chiliophyllum* and *T. haradjani* (Rech.  
Fil.) Grierson (endemic) (Compositae) from Turkey were analyzed by GC-MS.  
The leaf and herb oils of *T. armenum* were characterized with 1,8-cineole  
(31% and 11%) and camphor (9% and 27%), resp., as the main constituents.  
The major component characterized in the herb oil of *T. balsamita* was  
carvone (52%). Camphor (17% and 16%) was the main constituent in the oils  
of *T. chiliophyllum* var. *chiliophyllum* and *T. haradjani*, resp. The  
enantiomeric distribution of carvone in the essential oil of *T. balsamita*  
and camphor in the essential oils of *T. armenum*, *T. chiliophyllum* var.  
*chiliophyllum* and *T. haradjani* were detd. using a fused silica Lipodex E  
capillary column.

CT Flower  
CT Leaf  
CT Stem  
CT *Tanacetum armenum*  
CT *Tanacetum balsamita*  
CT *Tanacetum chiliophyllum* *chiliophyllum*  
CT *Tanacetum haradjani*  
CT Essential oils

REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:74187 CAPLUS  
DOCUMENT NUMBER: 134:325373  
TITLE: Volatile components of essential oils of the Citrus  
genus  
AUTHOR(S): Sawamura, Masayoshi  
CORPORATE SOURCE: Department of Bioresources Science, Faculty of  
Agriculture, Kochi University, Kochi, 783-8502, Japan  
SOURCE: Recent Research Developments in Agricultural & Food  
Chemistry (2000), 4(Pt. 1), 131-164  
CODEN: RAFCFL  
PUBLISHER: Research Signpost  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The volatile components of essential oils of the Citrus genus was  
investigated. The volatile compns. of 98 kinds of citrus fruits were  
presented here. Most citrus samples were obtained in Japan and several  
samples were from Korea, Italy and Malaysia. All the samples were  
obtained at the optimum harvest time in the ripening stage. All the  
detns. were carried out under the same method and anal. conditions to  
obtain comparable data to each other. The essential oils were prepd. by  
cold pressing as native as possible. Quant. detn. and identification were  
carried out with a Shimadzu gas chromatograph GC-14A and a Shimadzu  
QP-5000 GC-MS equipped with a Thermo 600T capillary column. One hundred  
and thirty-seven compds. were identified and quant. detd.

CT Citrus medica  
CT Lemon (Citrus limon)  
CT Lime (Citrus aurantifolia)

CT Essential oils  
 CT Mass spectrometry  
 CT Gas chromatography  
 CT Volatile substances  
 CT Growth and development, plant  
 CT Bergamot (Citrus bergamia)  
 CT Citrus ampullacea  
 CT Citrus glaberrima  
 CT Citrus hanaju  
 CT Citrus hassaku  
 CT Citrus inflata  
 CT Citrus junos  
 CT Citrus kawachiensis  
 CT Citrus medica  
 CT Citrus medioglobosa  
 CT Citrus natsudaiddai  
 CT Citrus obovoidea  
 CT Citrus pyriformes  
 CT Citrus sudachi  
 CT Citrus taguma-sudachi  
 CT Citrus wilsonii  
 CT Citrus yuko  
 CT Kabosu  
 CT Lemon (Citrus limon)  
 CT Lime (Citrus aurantifolia)  
 CT Shaddock (Citrus grandis)  
 CT Food analysis

REFERENCE COUNT: 91 THERE ARE 91 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:654962 CAPLUS  
 DOCUMENT NUMBER: 133:209422  
 TITLE: Aromatic ink jet ink with fruit or flower fragrance  
 INVENTOR(S): Yang, Changmou; Lu, Zhuo; Xue, Dawei; Zhang, Yixi  
 PATENT ASSIGNEE(S): Yanneng Science & Technology Co., Ltd., Peop. Rep.  
 China  
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 12 pp.  
 CODEN: CNXXEV  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1244554	A	20000216	CN 1998-118344	19980811
AB	The arom. ink jet ink with different types of fruit or flower fragrance and capable of fast drying but lack of the unpleasant smell of typical inn jet inks, composes 1.0-20% by wt. solvent (such as alcs. and derivs.), 0.1-10% by wt. water sol. dyes, 0-20% by wt. arom. aldehydes or esters, 0.1-10% by wt. pigments, 0.1-20% by wt. ethanol and addnl. deionized water. Thus, an arom. ink jet ink made of 8% diethyleneglycol as solvent, 3% water sol. dyes, 0.1% n-heptyl aldehyde as the arom. aldehyde, 1% ethanol and 87.9% deionized water has a natural and soft fruit fragrance.			
CT	Ink-jet printers			
CT	Polyoxyalkylenes, uses			
CT	Inks			

L117 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:309789 CAPLUS  
DOCUMENT NUMBER: 133:71424  
TITLE: Volatile constituents in juice and oil of Australian wild lime (*Microcitrus inodora*)  
AUTHOR(S): Shaw, Philip E.; Moshonas, Manuel G.; Bowman, Kim D.  
CORPORATE SOURCE: ARS, SAA Citrus and Subtropical Products Lab, USDA, Winter Haven, FL, 33881, USA  
SOURCE: Phytochemistry (2000), 53(8), 1083-1086  
CODEN: PYTCAS; ISSN: 0031-9422  
PUBLISHER: Elsevier Science Ltd.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Fifty-three volatile constituents from the juice and twenty from the peel oil of *Microcitrus inodora* have been identified by gas chromatog. and mass spectral anal. All except seven had been reported earlier as citrus constituents. Since *M. inodora* is used as a parent for prodn. of new citrus hybrids, this information will be useful to horticulturists, plant breeders and phytochemists.  
CT Essential oils  
CT *Microcitrus inodora*  
CT Volatile substances  
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:739031 CAPLUS  
DOCUMENT NUMBER: 132:219510  
TITLE: Composition of *Tanacetum annuum* L. oil from Morocco  
AUTHOR(S): Greche, H.; Ismaili-Alaoui, M.; Zrira, S.; Benjilali, B.; Belanger, A.; Hajjaji, N.  
CORPORATE SOURCE: Departement de Chimie-Biochimie Alimentaire I.A.V Hassan II, Morocco  
SOURCE: Journal of Essential Oil Research (1999), 11(3), 343-348  
CODEN: JEOREG; ISSN: 1041-2905  
PUBLISHER: Allured Publishing Corp.  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Fresh aerial parts of *Tanacetum annuum* L. from Morocco were steam distd. to produce an oil in 0.5% yield. The oil was fractionated on the silica gel column and analyzed by GC and GC/MS using MS and retention index data and more than 130 constituents were identified. The major components of the oil were chamazulene (38-17%), myrcene (14-1%), sabinene (8.6-4%), .beta.-eudesmol (7-3%) and camphor (18-4%). Seasonal variation of the oil compn. suggested that the chamazulene content decreases and the myrcene content increases from June to Oct.  
CT Essential oils  
CT *Tanacetum annuum*  
CT Rhythm, biological  
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L117 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:557417 CAPLUS  
DOCUMENT NUMBER: 129:289335  
TITLE: Mass spectrometry of the acetal derivatives of selected generally recognized as safe listed aldehydes with ethanol, 1,2-propylene glycol and glycerol  
AUTHOR(S): Woelfel, Keith; Hartman, Thomas G.  
CORPORATE SOURCE: M and M Mars, Hackettstown, NJ, 07840, USA

SOURCE: ACS Symp. Ser. (1998), 705(Flavor Analysis), 193-210  
CODEN: ACSMC8; ISSN: 0097-6156  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB The FEMA-GRAS list offers flavor chemists a repertoire of nearly 2000 chems. for use in compounding natural and synthetic flavors for the U.S. marketplace. Aldehydes constitute an important class of these potential flavorants and are widely utilized to impart specific nuances. Alcs. such as ethanol, 1,2-propylene glycol and glycerol are commonly employed as solvents in compounded flavor systems due to their low odor and miscibility in a wide range of aq. and org. matrixes. However, alcs. and aldehydes react rapidly under anhyd. conditions to form acetal derivs. which often possess different sensory properties. This well known reaction is reversible and its equil. is influenced by time, temp., pH and moisture content. Mass spectra of acetals are currently under represented in com. databases and few literature refs. are available. Our investigation involved a systematic mass spectrometric study of the acetal derivs. of selected GRAS aldehydes reacted with ethanol, 1,2-propylene glycol and glycerol. Aldehydes from different chem. classes representing satd. and unsatd. aliphatics, aroms., heterocyclics, terpenoids and others were included for characterization. The corresponding acetals were synthesized, analyzed by GC-MS in electron ionization mode and their retention indexes on a non-polar (polydimethylsiloxane) capillary column were detd. A database of mass spectra was produced which includes many previously unreported species. In total, over 60 individual mass spectra were recorded. The characteristic mass spectral fragmentation pathways for each class of acetal are described.

CT Aldehydes, reactions

CT Mass spectra

CT Acetals

L117 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:328832 CAPLUS

DOCUMENT NUMBER: 129:19500

TITLE: Fragrance allergens: classification and raking by  
QSAR. [Erratum to document cited in CA127:252962]

AUTHOR(S): Hostynek, J. J.; Magee, P. S.

CORPORATE SOURCE: Euromerican Technology Resource, Inc., Lafayette, CA,  
94549, USA

SOURCE: Toxicol. in Vitro (1998), 12(2), I

CODEN: TIVIEQ; ISSN: 0887-2333

PUBLISHER: Elsevier Science Ltd.

DOCUMENT TYPE: Journal

LANGUAGE: English

AB In the validation of the discriminant and rank models, structures were included inadvertently which had also been used in model construction; therefore, for correct assessment of model performance, the valid no. of compds. evaluated is reduced to 65 from 74 for classification of allergens/non-allergens, and to 54 for ranking of allergen potency. After subtracting the original 12 as "indeterminate", and the 9 identified redundancies, classification performance is 44 correct out of 53, i.e. 83% concordance. As all redundancies were allergens, specificity remains unchanged at 100%; sensitivity is 88% (38/43). Cor. ranking performance is 93% for concordance (50/54), with 66% specificity (7/11) and 91% sensitivity (41/43).

CT Structure-activity relationship

CT Classification

CT Odor

CT Perfumes

CT Allergens  
CT QSAR (structure-activity relationship)

L117 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1997:606030 CAPLUS  
DOCUMENT NUMBER: 127:252962  
TITLE: Fragrance allergens: classification and ranking by  
QSAR  
AUTHOR(S): Hostynek, J. J.; Magee, P. S.  
CORPORATE SOURCE: Euromerican Technology Resources, Inc., Lafayette, CA,  
94549, USA  
SOURCE: Toxicol. in Vitro (1997), 11(4), 377-384  
CODEN: TIVIEQ; ISSN: 0887-2333  
PUBLISHER: Elsevier  
DOCUMENT TYPE: Journal  
LANGUAGE: English

AB Quant. structure-activity relationship (QSAR) models which predict both skin penetration and cell mediated immunity for small mol. wt. non-electrolytes developed earlier were validated on 74 known allergens and non-allergens chosen among fragrance chems. in common use to test discriminating and grading power. While the test set used for classification was based on experience in humans exclusively, the rank model was tested for sensitization potency including guinea pig data also. In the classification test, 12 of 74 compds. fell in the indeterminate range and were non-classifiable by the present QSAR model. On the remaining 62 compds. the model performs with 90% sensitivity and 100% specificity at 92% concordance. The rank model correctly grades 65 of 74 compds. (88% concordance), with 60% specificity based on exact prediction of non-allergens (NON), and 95% sensitivity on allergens (ACD) allowing for a variance of  $\pm$  one level among weak, moderate and severe ratings. In combination, the 2 models perform with 93% overall concordance on the test set of 74 compds.

CT Structure-activity relationship  
CT Classification  
CT Odor  
CT Perfumes  
CT Allergens  
CT QSAR (structure-activity relationship)

L117 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:612662 CAPLUS  
DOCUMENT NUMBER: 121:212662  
TITLE: Flavor and fragrance compositions produced using  
process for quantitatively and qualitatively  
substantially continuously analyzing the aroma emitted  
from a living fruit  
INVENTOR(S): Mookherjee, Braja D.; Trenkle, Robert W.; Patel, Subha  
M.; Brown, Sharon M.  
PATENT ASSIGNEE(S): International Flavors and Fragrances Inc., USA  
SOURCE: U.S., 23 pp. Cont.-in-part of U.S. 5,263,359.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 5  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5321006	A	19940614	US 1993-108794	19930819
PRIORITY APPLN. INFO.:			US 1992-988337	19921209

US 1993-23960

19930226

AB A process for producing flavor and fragrance compns. comprises of first quant. and qual. analyzing the aroma emitted and rates of emission of the components thereof: (i) from within the pith section and/or the inner wood section; and (ii) the outer bark surface of a living tree, simultaneously, and, optionally from within and from the outer surface of one or more fruits; and then providing at least the major aroma components found in at least one of the analyses and admixing the resulting components to form a fragrance compn. and/or a flavor compn. The living tree, for example, may be a Douglas fir, maple, papaya, mahogany, or a nectarine tree. A fragrance formulation contained .alpha.-pinene 1.00, .beta.-pinene 4.83, myrcene 21.18, limonene 63.01, thymol Me ether 0.53, and longifolene 1.31 parts by wt.

CT Douglas fir  
 CT Fruit  
 CT Mahogany  
 CT Maple  
 CT Nectarine  
 CT Papaya  
 CT Tree  
 CT Flavoring materials  
 CT Perfumes  
 CT Fusel oil  
 CT Odor and Odorous substances  
 CT Flavor  
 CT Essential oils  
 CT Essential oils  
 CT Essential oils

L117 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1994:181992 CAPLUS

DOCUMENT NUMBER: 120:181992

TITLE: Method and apparatus for simultaneously analyzing aroma emitted from the interior and exterior of living tree and optionally from living fruit

INVENTOR(S): Mookherjee, Braja D.; Trenkle, Robert W.; Patel, Subha M.; Brown, Sharon M.

PATENT ASSIGNEE(S): International Flavors and Fragrances Inc., USA

SOURCE: U.S., 16 pp. Cont. -in-part of U.S. Ser. No. 988,337.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 5

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5263359	A	19931123	US 1993-23966	19930226

PRIORITY APPLN. INFO.:	US 1992-988337	19921209
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AB A process is described for quant. and qual. substantially continuously analyzing the aroma emitted and the rates of emission of the components thereof: (I) from within the pit section and/or the inner wood section; and (II) the outer bark surface of a living tree, simultaneously, and optionally from within and from the outer surface of one or more fruits borne by the living tree using simultaneously operating aroma trapping devices connected to the outer tree trunk surface and an inner location within the tree and, if desired, connected to the fruit surface and an internal location within the fruit. Also described is app. for carrying out such a process. The living tree, for example, may be a living Douglas fir, maple tree, papaya tree, mahogany tree, or nectarine tree. The

interior and exterior volatile head space constituents of a mature Douglas fir were analyzed using sampling app. contg. Tenax headspace traps in glass tubes attached to .alpha.-2 vacuum pumps. After 7 h of pumping, the contents of the traps were analyzed by GC-MS anal.

CT Tree  
CT Fruit  
CT Mass spectrometry  
CT Chromatography, gas  
CT Douglas fir  
CT Bark  
CT Plant analysis  
CT Odor and Odorous substances  
CT Analysis  
CT Pumps  
CT Sampling apparatus  
CT Pumps

L117 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1992:104811 CAPLUS

DOCUMENT NUMBER: 116:104811

TITLE: The composition of woodruff volatiles (Galium odoratum)

AUTHOR(S): Woerner, Martin; Schreier, Peter

CORPORATE SOURCE: Univ. Wuerzburg, Wuerzburg, W-8700, Germany

SOURCE: Z. Lebensm.-Unters. Forsch. (1991), 193(4), 317-20

CODEN: ZLUFAR; ISSN: 0044-3026

DOCUMENT TYPE: Journal

LANGUAGE: German

AB Studies of the compn. of an aroma ext. of dried woodruff by medium-pressure liq. chromatog. following Soxhlet extn. and chlorophylls removal by gel-permeation chromatog. revealed the presence of 225 substances, 69 of which were alcs., 69 carbonyl compds., 22 hydrocarbons, 20 acids, 19 esters, 14 lactones and 12 other compds. Of the .gamma.-lactones, multi-dimensional gas chromatog. indicated an enantiomeric excess of the R-isomer with increasing chain length. Only 1 substance was previously unknown in nature: 7,11,15-trimethyl-2-hexadecanone; it is thus proposed as an anal. indicator for the detection of the illegal use of woodruff aromas in foods.

CT Galium odoratum  
CT Odor and Odorous substances  
CT Alcohols, biological studies  
CT Aldehydes, biological studies  
CT Carboxylic acids, biological studies  
CT Esters, biological studies  
CT Hydrocarbons, biological studies  
CT Ketones, biological studies  
CT Lactones  
CT Terpenes and Terpenoids, biological studies  
CT Flavor

L117 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1985:201178 CAPLUS

DOCUMENT NUMBER: 102:201178

TITLE: Essential oil contents in the rinds of Eastern Mediterranean sour oranges (Citrus aurantium L.)

AUTHOR(S): Tuzcu, Onder; Neubeller, J.; Buchloh, Guenther

CORPORATE SOURCE: CU Ziraat Fak., Adana, Turk.

SOURCE: Doga Bilim Derg., Seri D2 (1985), 9(1), 34-9

CODEN: DBDTEG

DOCUMENT TYPE: Journal

LANGUAGE: Turkish

AB Tuzcu sour oranges, selected in Eastern Mediterranean Region, were investigated. Essential oils of rinds were analyzed by gas chromatog., for fruits collected from 8-yr-old trees. Sixty different essential oils were detd. in the rind. Among these d-limonene 86.07, heptadecanol-1 1.70, and .beta.-pinene 1.61% occurred in the highest amt. Terpinolene, .alpha.-terpineol, nerol, geranial, cis-myrtanol, perilylaldehyde, geranyl acetate, .beta.-caryophyllene, .beta.-ionone, and myristinaldehyde were also found in considerable amts. Laurinaldehyde, myrtanol, and cis-myrtanol in sour oranges were detd. first time.

CT Terpenes and Terpenoids, biological studies

CT Oils

CT Alcohols, biological studies

CT Orange

L117 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1984:609264 CAPLUS

DOCUMENT NUMBER: 101:209264

TITLE: Primary mutagenicity screening of food additives currently used in Japan

AUTHOR(S): Ishidate, M., Jr.; Sofuni, T.; Yoshikawa, K.; Hayashi, M.; Nohmi, T.; Sawada, M.; Matsuoka, A.

CORPORATE SOURCE: Biol. Saf. Res. Cent., Natl. Inst. Hyg. Sci., Tokyo, 158, Japan

SOURCE: Food Chem. Toxicol. (1984), 22(8), 623-36

CODEN: FCTOD7; ISSN: 0278-6915

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Salmonella/Microsome tests (Ames tests) and chromosomal aberration tests in vitro using a Chinese hamster fibroblast cell line were carried out on 190 synthetic food additives and 52 food additives derived from natural sources, all of which are currently used in Japan. Fourteen out of 200 tested in the Ames assay showed pos. effects and 54 out of 242 were pos. in the chromosome test. Three additives (erythorbic acid [89-65-6], ClO2, and beet red) were pos. only in the Ames test, although their mutagenic potentials were relatively weak, while 43 additives were pos. only in the chromosome test. Eleven additives, Ca(OCl)2, cinnamic aldehyde [104-55-2], L-cysteine.HCl [52-89-1], Food Green No. 3 (Fast Green FCF) [2353-45-9], H2O2, KBrO3, NaClO2, NaOCl, NaNO2, cacao pigment, and caramel, were pos. in both the Ames test and the chromosome test. The usefulness of such primary screening tests combining 2 different genetic end-points, gene mutation and chromosomal aberration, and some correlation between mutagenicity and carcinogenicity of food additives are discussed.

CT Food

CT Oils

CT Oils

CT Oils

CT Oils

CT Resin acids and Rosin acids

CT Apple

CT Coffee

CT Cola (genus)

CT Anise

CT Caramel (color)

CT Ceratonia siliqua

CT Chlorophylls, biological studies

CT Oils

CT Chlorophyllins

CT Oils

CT Oils



CT Oils  
CT Oils  
CT Oils  
CT Oils  
CT Oils  
CT Oils  
CT Chlorella  
CT Cocoa  
CT Beet  
CT Siloxanes and Silicones, compounds  
CT Oils  
CT Polyphosphoric acids  
CT Oils  
CT Oils  
CT Nucleotides, compounds

=> D QRD L118 1-2

L118 ANSWER 1 OF 2 NAPRALERT COPYRIGHT (C) 2002 BD. TRUSTEES, U. IL.  
AN 2000:607 NAPRALERT  
DN K12622  
TI THE ESSENTIAL OILS OF ETROG (CITRUS MEDICA L.VAR. ETHROG ENGL.). AROMATIC  
PLANTS OF THE HOLY LAND AND THE SINAI, PART VI  
AU FLEISHER Z; FLEISHER A  
CS CROMPTON KNOLES CORP, MAHWAH NJ 07430 USA  
SO J ESSENT OIL RES (1991) 3 p. 377-379.  
DT (Research paper)  
LA ENGLISH  
CHC 13316  
ORGN Class: DICOT Family: RUTACEAE Genus: CITRUS Species: MEDICA  
Subspecies: VAR.ETHROG  
Common name(s): CITRON; ETROG  
Organism part: LEAF ESSENTIAL OIL  
TYPE OF STUDY (STY): ISOLATION.  
COMPOUND. Chemical name (CN): **PHENETHYL ALCOHOL**  
Class identifier (CI): BENZENOID  
Yield: 00.02%  
ORGN Class: DICOT Family: RUTACEAE Genus: CITRUS Species: MEDICA  
Subspecies: VAR.ETHROG  
Organism part: FRUITPEEL ESSENT OIL  
TYPE OF STUDY (STY): ISOLATION.  
COMPOUND. Chemical name (CN): **PERILLA ALDEHYDE**  
Class identifier (CI): MONOTERPENE  
Yield: 00.01%

L118 ANSWER 2 OF 2 NAPRALERT COPYRIGHT (C) 2002 BD. TRUSTEES, U. IL.  
AN 97:3623 NAPRALERT  
DN K28993  
TI VOLATILE COMPOUNDS OF POLYGALA SENEGA L. VAR. LATIFOLIA TORREY ET  
GRAYROOTS  
AU HAYASHI S; KAMEOKA H  
CS FAC SCI ENGINEER, KINKI UNIV, OSAKA 577 JAPAN  
SO FLAVOUR FRAGRANCE J (1995) 10 (4) p. 273-280.  
DT (Research paper)  
LA ENGLISH  
CHC 19132  
ORGN Class: DICOT Family: POLYGALACEAE Genus: POLYGALA Species: SENEGA  
Subspecies: VAR.LATIFOLIA  
Organism part: ROOT ESSENTIAL OIL

TYPE OF STUDY (STY): ISOLATION.

COMPOUND. Chemical name (CN): **DECAN-2-ONE**

Class identifier (CI): ALKANE

Yield: TRACES